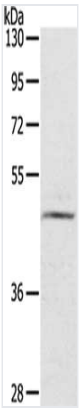
CERS3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CERS3, Polyclonal Antibody
Full Product Name	CERS3 Antibody
Product Gene Name	anti-CERS3 antibody
Product Synonym Names	ceramide synthase 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	46 kDa
Chromosome Location	Chromosome: 15; NC_000015.9 (100940600..101084925, complement). Location: 15q26.3
3D Structure	ModBase 3D Structure for Q8IU89
Immunogen	Synthetic peptide of human CERS3
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CERS3 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CERS3 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-CERS3 antibody	ELISA: 1:1000-1:2000 WB: 1:200-1:1000
Related Product Information for anti-CERS3 antibody	MBS7129206 is an antibody targeting CERS3. Also known as CERS3 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CERS3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-PAGE of anti-CERS3 antibody
Gel: 8%SDS-PAGE, Lysate: 40 ug, Lane: TM4 cells, Primary antibody: MBS7129206(CERS3 Antibody) at dilution 1/200, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 3 minutes

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CERS3. It may not necessarily be applicable to this product.

NCBI GI #	116235446
NCBI GeneID	204219
NCBI Accession #	NP_849164.2
UniProt Primary Accession #	Q8IU89
UniProt Secondary Accession #	Q8NE64; Q8NEN6
UniProt Related Accession #	Q8IU89
GenBank Nucleotide #	NM_178842.3
NCBI Official Full Name	ceramide synthase 3
NCBI Official Synonym Full Names	ceramide synthase 3
NCBI Official Symbol	CERS3
NCBI Official Synonym Symbols	LASS3
UniProt Protein Name	Ceramide synthase 3
UniProt Synonym Protein Names	LAG1 longevity assurance homolog 3
Protein Family	Ceramide synthase
UniProt Gene Name	CERS3
UniProt Synonym Gene Names	LASS3; CerS3
UniProt Entry Name	CERS3_HUMAN
NCBI Protein Information	ceramide synthase 3; LAG1 homolog, ceramide synthase 3; LAG1 longevity assurance homolog 3
NCBI Summary for CERS3	This gene is a member of the ceramide synthase family of genes. The ceramide synthase enzymes regulate sphingolipid synthesis by catalyzing the formation of ceramides from sphingoid base and acyl-coA substrates. This family member is involved in the synthesis of ceramides with ultra-long-chain acyl moieties (ULC-Cers), important to the epidermis in its role in creating a protective barrier from the environment. The protein encoded by this gene has also been implicated in modification of the lipid structures required for spermatogenesis. Mutations in this gene have been associated with male fertility defects, and epidermal defects, including ichthyosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]

UniProt Comments for CERS3	Function: May be involved in sphingolipid synthesis or its regulation By similarity. Subcellular location: Nucleus membrane; Multi-pass membrane protein Potential. Sequence similarities: Contains 1 homeobox DNA-binding domain.Contains 1 TLC (TRAM/LAG1/CLN8) domain.
Research Articles on CERS3	**1.** Observational study and genome-wide association study of gene-disease association. (HuGE Navigator)
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